



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

D139-799-211

Job Sheet 181073



Part No: D139-799-211

Job Qty: 2 ea

Part Name: Quick Release Maintenance Step, LH



Part Weight: 0 lbs

Status: Scheduled

Priority: Medium

Job Created: 7/20/18

Job Tracking No:

Due Date: 8/15/18

Created By: Marie Lajeunesse

Type: SOLD

Description:

Note: DWG DSI9761 REV A, IIN-D139-799 REV O IPP REV:A NEW ISSUE 15-07-08 JLM VERIFIED BY:DD IPP
REV:B as per NCR16-5959 DD VERIFIED BY:JLM IPP REV:C 16.10.26 as per DSI9761 DD VERF:JLM

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		JUL 31 2018 Sign-off
					Setup hrs	Run Hrs	Workcenter / Supplier	Lead Time	
90	Start up Operation	2 Ea	8/15/18	8/15/18	0.00	0.00	Start Up Stores/Pkg-1	DAS 6 6 9-89	AUG 15 2018
110	Packaging	2 pcs	8/15/18	8/15/18	0.00	0.00	Packaging1-1	DAS 6 6 9-89	AUG 15 2018
120	QC	2 pcs	8/15/18	8/15/18	0.00	0.00	QC4	DAS 6 6 9-89	SRB
125	DC	2 pcs	8/15/18	8/15/18	0.00	0.00	DC	DAS 6 6 9-89	21 AUG 15 2018
130	Packaging	2 pcs	8/15/18	8/15/18	0.00	0.00	Packaging3-1	DAS 6 6 9-89	SRB
140	QC21-FG	2 Ea	8/15/18	8/15/18	0.00	0.00	QC21	DAS 6 6 9-89	21 AUG 15 2018

Part Op 125 - Photocopy bluefile & type labels per PPP D139-799-211

Descriptions: 130 - Identify and pack for shipping as per PPP D139-799-211 Location:

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
AN6H12A	Bolt	4 Ea (2 ea)	90-Start up Operation	50006169
AN6H13A	Bolt	2 Ea (1 ea)	90-Start up Operation	50006336
D5238-041	Maintenance Step Assembly	2 Ea (1 ea)	90-Start up Operation	5102405
D5238-043	Lower Bracket, Aft	2 Ea (1 ea)	90-Start up Operation	F164881XL
D5238-045	Lower Bracket, Fwd	2 Ea (1 ea)	90-Start up Operation	F164881XL
D5245-1	Mounting Bolt	2 Ea (1 ea)	90-Start up Operation	F158940
D5245-7	Mounting Bolt	2 Ea (1 ea)	90-Start up Operation	F166090
NAS1149D0663J	Washer	10 Ea (5 ea)	90-Start up Operation	5043782

Job Allocations

Operation	Component Part	Required	Inventory	Allocated
90-Start up Operation	AN6H12A	4	13	0
	AN6H13A	2	36	0
	D5238-041	2	1	0
	D5238-043	2	1	0
	D5238-045	2	0	0
	D5245-1	2	1	0
	D5245-7	2	4	0
	NAS1149D0663J	10	1,477	0

Part Specifications

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS <table style="width:100%; border: none;"> <tr> <td style="width:15%;">Skid-tube ☐</td> <td style="width:15%;">Cross tube ☐</td> <td style="width:15%;">Water Jet ☐</td> <td style="width:15%;">Engineering ☐</td> </tr> <tr> <td>Machining ☐</td> <td>Small Fab ☐</td> <td>Prod. Eng. Coord. ☐</td> <td>Quality ☐</td> </tr> <tr> <td>Thermoforming ☐</td> <td>Finishing ☐</td> <td>Rec/Store/Packaging ☐</td> <td>Other ☐</td> </tr> <tr> <td>Large Fab ☐</td> <td>Composite ☐</td> <td>Supplier ☐</td> <td></td> </tr> </table>						Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐																											
Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐																																																
Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐																																																
Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐																																																
Large Fab ☐	Composite ☐	Supplier ☐																																																	
Date : _____		Step #: _____		QTY Effective : _____		MRB (QSI042) Approval Completed By _____ Lead hand / Supervisor Approval Verification _____ QC / QA Coordinator Approval _____																																													
Description Work Order Deviation				Disposition																																															
 DART AEROSPACE Container No: S102432 Part: D139 - 799 - 211 Job No: 181073 Serial No/Batch: S102432 Revision: A/0 Inspector: _____ Exp Date: _____ Instructions: FAA STC SR02138SE 15/06/2015/FASTC LOA C-11-0841 11/11/14				 DART AEROSPACE Container No: S102432 Part: D139 - 799 - 211 Job No: 181073 Serial No/Batch: S102432 Revision: A/0 Inspector: _____ Exp Date: _____ Instructions: FAA STC SR02138SE 15/06/2015/FASTC LOA C-11-0841 11/11/14																																															
Root Cause <table style="width:100%; border: none;"> <tr><td>Environment ☐</td><td>No Re-verification ☐</td></tr> <tr><td>Design ☐</td><td>Operator ☐</td></tr> <tr><td>Doc/Data ☐</td><td>Offset/Setup ☐</td></tr> <tr><td>Equip/Tooling ☐</td><td>Supplier ☐</td></tr> <tr><td>Handling/Pre ☐</td><td>Training ☐</td></tr> <tr><td>Material ☐</td><td>Use for Testing ☐</td></tr> <tr><td>Internal Transport ☐</td><td>Poor Information ☐</td></tr> <tr><td>Tribal Knowledge ☐</td><td>Rushing ☐</td></tr> <tr><td>LOA ☐</td><td>Product Improvement ☐</td></tr> <tr><td>Substation ☐</td><td>Process Improvement ☐</td></tr> <tr><td>Past Expiry Date ☐</td><td>Manufacturing Process ☐</td></tr> <tr><td>Misidentified ☐</td><td>Past Due ☐</td></tr> </table>		Environment ☐	No Re-verification ☐	Design ☐	Operator ☐	Doc/Data ☐	Offset/Setup ☐	Equip/Tooling ☐	Supplier ☐	Handling/Pre ☐	Training ☐	Material ☐	Use for Testing ☐	Internal Transport ☐	Poor Information ☐	Tribal Knowledge ☐	Rushing ☐	LOA ☐	Product Improvement ☐	Substation ☐	Process Improvement ☐	Past Expiry Date ☐	Manufacturing Process ☐	Misidentified ☐	Past Due ☐	FAULT <table style="width:100%; border: none;"> <tr><td>Pressure/Forced ☐</td><td>Temperature/Cure ☐</td></tr> <tr><td>Bending ☐</td><td>Set-up ☐</td></tr> <tr><td>Centre Not Concentric ☐</td><td>BOM/Route ☐</td></tr> <tr><td>Cracks ☐</td><td>Broken/Damage/Defect ☐</td></tr> <tr><td>Crimp/Kink/Ripple/Wave ☐</td><td>Inspection Incomplete/Unqu: ☐</td></tr> <tr><td>Cuffs ☐</td><td>Contamination ☐</td></tr> <tr><td>Crushing ☐</td><td>Countersink ☐</td></tr> <tr><td>Heat Treat ☐</td><td>Cut Too Short ☐</td></tr> <tr><td>Wave/Twist in Tube ☐</td><td>Instructions Incomplete/Unclear ☐</td></tr> <tr><td>Marks/Chatter ☐</td><td>Drill Holes ☐</td></tr> </table>						Pressure/Forced ☐	Temperature/Cure ☐	Bending ☐	Set-up ☐	Centre Not Concentric ☐	BOM/Route ☐	Cracks ☐	Broken/Damage/Defect ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqu: ☐	Cuffs ☐	Contamination ☐	Crushing ☐	Countersink ☐	Heat Treat ☐	Cut Too Short ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Marks/Chatter ☐	Drill Holes ☐
Environment ☐	No Re-verification ☐																																																		
Design ☐	Operator ☐																																																		
Doc/Data ☐	Offset/Setup ☐																																																		
Equip/Tooling ☐	Supplier ☐																																																		
Handling/Pre ☐	Training ☐																																																		
Material ☐	Use for Testing ☐																																																		
Internal Transport ☐	Poor Information ☐																																																		
Tribal Knowledge ☐	Rushing ☐																																																		
LOA ☐	Product Improvement ☐																																																		
Substation ☐	Process Improvement ☐																																																		
Past Expiry Date ☐	Manufacturing Process ☐																																																		
Misidentified ☐	Past Due ☐																																																		
Pressure/Forced ☐	Temperature/Cure ☐																																																		
Bending ☐	Set-up ☐																																																		
Centre Not Concentric ☐	BOM/Route ☐																																																		
Cracks ☐	Broken/Damage/Defect ☐																																																		
Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqu: ☐																																																		
Cuffs ☐	Contamination ☐																																																		
Crushing ☐	Countersink ☐																																																		
Heat Treat ☐	Cut Too Short ☐																																																		
Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐																																																		
Marks/Chatter ☐	Drill Holes ☐																																																		
		OTHER : _____																																																	

Specifications could not be found.

Plex 7/20/18 8:56 AM Dart.lajeunesse.marie

DQA: _____ Date: _____

**WORK ORDER NON-CONFORMANCE / UPDATE**

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date :	Step #:	QTY Effective :		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY			
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐
Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____			
Misidentified ☐	Past Due ☐				

5.0 PARTS LIST

Qty -011	Qty -012	Qty -017	Qty -019	Qty -112	Qty -211	Qty -212	Qty -213	Part Number	Description
X								D139-799-011	MAINTENANCE STEP KIT, LH
	X							D139-799-012	MAINTENANCE STEP KIT, RH
		X						D139-799-017	CARGO FLOOR PROTECTOR KIT
			X					D139-799-019	CABIN FLOOR PROTECTOR KIT
				X				D139-799-112	MAINTENANCE STEP WITH GRAB BAR KIT, RH
					X			D139-799-211	QUICK RELEASE MAINTENANCE STEP KIT, LH
						X		D139-799-212	QUICK RELEASE MAINTENANCE STEP KIT, RH
							X	D139-799-213	QUICK RELEASE MAINTENANCE STEP PROVISIONS KIT
		4						D3580-1	JOGGLE BRACKET
		2	8					D3628-1	CUPPED WASHER
1								D4092-041	MAINTENANCE STEP ASSEMBLY
	1							D4092-042	MAINTENANCE STEP ASSEMBLY
			1					D4130-1	FWD CABIN FLOOR PROTECTOR
			1					D4130-3	AFT CABIN FLOOR PROTECTOR
		1						D4130-5	FWD CARGO FLOOR PROTECTOR
		1						D4130-7	CENTER CARGO FLOOR PROTECTOR
		1						D4130-9	AFT CARGO FLOOR PROTECTOR
		1						D4153-1	JOGGLE BRACKET
		1						D4153-3	JOGGLE BRACKET
			4					D4153-5	CLAMP PLATE
		2						D4166-1	PLACARD, MAX LOAD
				1				D4526-042	MAINTENANCE STEP ASSEMBLY, RH
					1			D5238-041	MAINTENANCE STEP ASSEMBLY
						1		D5238-042	MAINTENANCE STEP ASSEMBLY
					1	1	1	D5238-043	LOWER BRACKET, AFT
					1	1	1	D5238-045	LOWER BRACKET, FWD
					1	1	1	D5245-1	MOUNTING BOLT
					1	1	1	D5245-7	MOUNTING BOLT
2	2			2	2	2	2	AN6H12A	BOLT
2	2			2	1	1	1	AN6H13A	BOLT
6	6			6	5	5	5	NAS1149D0663J	WASHER (or AN960JD616)

Change Record

PAGE 1 OF 1

Part Number: D139-799-211/-212

Description: QUICK RELEASE MAINTENANCE STEP, LH/RH

[illegible]